Registration Information

Registration deadline

Please fax or mail applications by August 18, 2000. On-line registration is available at http://www.aphl.org/nltn/registration.htm

Course registration is limited. A confirmation letter with specific site directions will be sent upon receipt of registration form.

To Register

Complete form on-line or mail/fax registration form to:

NLTN South Central Office
325 Loyola Avenue, 7th Floor
New Orleans, LA 70112
(504) 568-2081
FAX: (504) 568-2083

For more information, please contact Denise Arseneaux at (800) 536-NLTN or (504) 568-2081. E-mail: scoffice@nltn.org

In compliance with Americans with Disabilities Act, individuals needing special accommodations should notify the NLTN South Central Office at least ten (10) working days prior to the workshop.

FACULTY

Barbara A. Brown-Elliott, M.S.
Supervisor, Mycobacteria/Nocardia Research Lab
University of Texas Health Center at Tyler

Kenneth C. Jost, Jr., B.A.
Supervisor, Mycobacteriology/Mycology Branch
Texas Department of Health

Jenny Graham, B.S.
Section Chief-Tuberculosis Reference Section
Texas Department of Health

Educational support for this workshop is being provided by

Becton Dickinson
Organon Teknika

Upcoming Workshop!

Complying With the Select Agent Rule

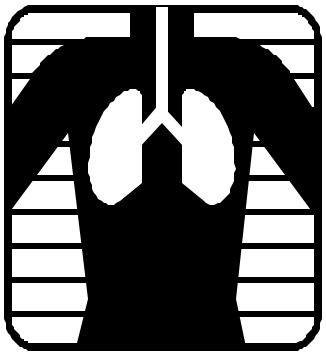
September 13, 2000
Sheraton Dallas Brookhollow
Dallas, Texas
0.6 CEUs

For more information, contact your NLTN South Central Office (800) 536-6586 or visit our website at www.phppo.cdc.gov/dls/nltn

The National Laboratory Training Network is a training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).

Identification and Susceptibility Testing of Mycobacteria

01SC23



Friday, August 25, 2000
8:30 a.m. - 5:00 p.m.

University of Texas at San Antonio
Downtown Campus
Buena Vista Building, Rm. 1.338
501 West Durango
San Antonio, TX 78207

Sponsored by

Clinical Pathology Laboratories, Inc.
and
The National Laboratory Training Network

Program Description

This one day course includes a comprehensive presentation of modern mycobacteriology laboratory methods for the detection, culture, identification, and antimicrobial susceptibility testing of *Mycobacterium tuberculosis* and nontuberculous mycobacteria. Rapid molecular methods, conventional techniques and laboratory safety practices essential for work with mycobacteria are addressed. Emphasis is on the rapid identification of mycobacteria and various methods for mycobacterial antimicrobial susceptibility testing. Recently described new species of clinically significant nontuberculous mycobacteria are also discussed.

Intended Audience

This program is appropriate for laboratorians who are knowledgeable about culturing specimens for mycobacteria, the growth characteristics of *M. tuberculosis* and nontuberculous mycobacteria, and conventional susceptibility testing.

Continuing Education Credits

Continuing education credits will be offered based on 7 contact hours of instruction.

Course Objectives

On completion of this course, participants will be able to:

- demonstrate laboratory safety practices necessary to work with *Mycobacterium tuberculosis,*
- describe rapid and conventional methods for the detection and culture of mycobacteria from clinical specimens,
- explain phenotypic and genotypic methods for the identification of *M. tuberculosis* and nontuberculous mycobacteria including molecular techniques, high performance liquid chromatography, susceptibility patterns, classical biochemical tests, and the direct identification of mycobacteria from clinical specimens,
- compare and contrast several different methods of antimicrobial susceptibility testing including advantages and disadvantages of each,
- discuss the epidemiology and clinical importance of *M. tuberculosis* and nontuberculous mycobacteria as related to disease setting,
- relate the mechanism of action, efficacy, treatment regimes, and toxic effects of first-line drugs in the contemporary chemotherapy for *M. tuberculosis,*
- review the implications of multi-drug tuberculosis including efficacy and toxic effects of second-line drugs, and patient clinical outcomes,
- recognize the clinically significant members of the rapidly growing mycobacteria by their unique antimicrobial susceptibility patterns, and
- examine application of newer antimicrobials in the treatment of the nontuberculous mycobacteria.

Identification and Susceptibility Testing of Mycobacteria

01SC23

PROGRAM AGENDA

8:00 a.m.	Registration
8:30 a.m.	Introduction and Safety
9:00 a.m.	Processing Clinical Specimens
10:00 a.m.	Identification of *M. tuberculosis* from Specimens and Cultures
11:00 a.m.	Identification of Nontuberculous Mycobacteria
11:30 a.m.	Lunch (on your own)
1:00 p.m.	Antimicrobial Susceptibility Testing of Nontuberculous Mycobacteria
1:30 p.m.	Susceptibility Testing of *M. tuberculosis*
2:30 p.m.	Common Antimicrobial Susceptibility Patterns
3:00 p.m.	Panel Discussion
3:30 p.m.	Epidemiology and Clinical Importance of Nontuberculous Mycobacteria
4:00 p.m.	Application of Newer Antimicrobials in Treatment
4:30 p.m.	Post-test/Course Evaluation
5:00 p.m.	Adjourn